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Database: US CCR/Full-Text Database
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IBM Technical Disclosure Bulletins

Search:	<input type="text"/>		Refine Search
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Search History

DATE: Friday, December 22, 2006 **Purge Queries** **Printable Copy** **Create Case**

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<u>L7</u>	L6 and p and si and (v or mo or w)	5	<u>L7</u>
<u>L6</u>	L5 and heteropoly\$9	37	<u>L6</u>
<u>L5</u>	L4 and (palladium or pd)	617	<u>L5</u>
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Search Results - Record(s) 1 through 10 of 37 returned.

1. Document ID: US 20060281629 A1

L6: Entry 1 of 37

File: PGPB

Dec 14, 2006

PGPUB-DOCUMENT-NUMBER: 20060281629

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060281629 A1

TITLE: Catalyst comprising N-substituted cyclic imide compound and process for producing organic compound using the catalyst

PUBLICATION-DATE: December 14, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii; Yasutaka	Osaka		JP
Nakano; Tatsuya	Himeji-shi		JP
Iwahama; Takahiro	Himeji-shi		JP
Hirai; Naruhisa	Himeji-shi		JP

US-CL-CURRENT: 502/167; 562/415, 562/599

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawn D](#)

2. Document ID: US 20060229196 A1

L6: Entry 2 of 37

File: PGPB

Oct 12, 2006

PGPUB-DOCUMENT-NUMBER: 20060229196

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060229196 A1

TITLE: Catalyst comprising n-substituted cyclic imide compound and process for producing organic compounds using the catalyst

PUBLICATION-DATE: October 12, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii; Yasutaka	Osaka		JP
Hirai; Naruhisa	Himeji-shi		JP
Terada; Masahiko	Himeji-shi		JP

US-CL-CURRENT: 502/162; 546/98[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#) 3. Document ID: US 20060102519 A1

L6: Entry 3 of 37

File: PGPB

May 18, 2006

PGPUB-DOCUMENT-NUMBER: 20060102519

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060102519 A1

TITLE: Multiphase reaction process using microchannel technology

PUBLICATION-DATE: May 18, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tonkovich; Anna Lee	Dublin	OH	US
Hesse; David John	Columbus	OH	US
Neagle; Paul	Westerville	OH	US
Lamont; Micheal Jay	Hilliard	OH	US
Daly; Francis P.	Delaware	OH	US
Paul Jarosch; Kai Tod	Bexley	OH	US
Stevenson; Richard	Columbus	OH	US
Silva; Laura J.	Dublin	OH	US

US-CL-CURRENT: 208/107[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn D](#) 4. Document ID: US 20060036100 A1

L6: Entry 4 of 37

File: PGPB

Feb 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060036100

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060036100 A1

TITLE: Catalyst comprising a cyclic imide compound and process for producing organic compounds using the catalyst

PUBLICATION-DATE: February 16, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii; Yasutaka	Osaka		JP
Nakano; Tatsuya	Himeji-shi		JP
Nagano; Shinya	Himeji-shi		JP
Okuyama; Naoto	Himeji-shi		JP

US-CL-CURRENT: 548/402[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#) 5. Document ID: US 20060030716 A1

L6: Entry 5 of 37

File: PGPB

Feb 9, 2006

PGPUB-DOCUMENT-NUMBER: 20060030716

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060030716 A1

TITLE: Catalyst comprising cyclic acylurea compound and process for producing organic compounds using the catalyst

PUBLICATION-DATE: February 9, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii; Yasutaka	Takatsuki-shi		JP
Hirai; Naruhisa	Himeji-shi		JP

US-CL-CURRENT: 548/300.1; 544/216[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#) 6. Document ID: US 20050020439 A1

L6: Entry 6 of 37

File: PGPB

Jan 27, 2005

PGPUB-DOCUMENT-NUMBER: 20050020439

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050020439 A1

TITLE: Catalyst comprising cyclic acylurea compounds and processes for production organic compounds with the same

PUBLICATION-DATE: January 27, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Yasutaka	Takatsuki-shi		JP
Hirai, Naruhisa	Himeji-shi		JP

US-CL-CURRENT: 502/162; 544/309[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KWMC](#) | [Drawn D.](#) 7. Document ID: US 20040171871 A1

L6: Entry 7 of 37

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040171871
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040171871 A1

TITLE: Process for producing aromatic carboxylic acids

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Yasutaka	Osaka		JP
Nakano, Tatsuya	Himeji-shi		JP

US-CL-CURRENT: 562/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC	Drawn D.
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8. Document ID: US 20040053778 A1

L6: Entry 8 of 37

File: PGPB

Mar 18, 2004

PGPUB-DOCUMENT-NUMBER: 20040053778
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040053778 A1

TITLE: Catalyst comprised of n-substituted cyclic imides and processes for preparing organic compounds with the catalyst

PUBLICATION-DATE: March 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Yasutaka	Osaka		JP
Hirai, Naruhisa	Hyogo		JP
Terada, Masahiko	Hyogo		JP

US-CL-CURRENT: 502/162

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KINIC	Drawn D.
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9. Document ID: US 20030013603 A1

L6: Entry 9 of 37

File: PGPB

Jan 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030013603
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030013603 A1

TITLE: Catalyst comprising n-substituted cyclic imides and processes for preparing organic compounds with the catalyst

PUBLICATION-DATE: January 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Yasutaka	Takatsuki-shi		JP
Nakano, Tatsuya	Himeji-shi		JP
Iwahama, Takahiro	Himeji-shi		JP
Hirai, Naruhisa	Himeji-shi		JP

US-CL-CURRENT: 502/167

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KUMC](#) [Drawn D](#)

10: Document ID: US 20020177605 A1

L6: Entry 10 of 37

File: PGPB

Nov 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020177605

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020177605 A1

TITLE: 3-SUBSTITUTED ISOQUINOLIN-1-YL DERIVATIVES

PUBLICATION-DATE: November 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Head, John Clifford	Maidenhead		GB
McKay, Catherine	Rickansworth		GB
Porter, John Robert	Chinnor		GB

US-CL-CURRENT: 514/307; 546/146

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KUMC](#) [Drawn D](#)

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11. Document ID: US 20020169331 A1

L6: Entry 11 of 37

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169331

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169331 A1

TITLE: Method of separating imide compound

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Miura, Hiroyuki	Hyogo		JP
Watanabe, Hitoshi	Himeji-shi, Hyogo		JP
Kuwana, Akihiro	Himeji-shi, Hyogo		JP
Shimamura, Mami	Himeji-shi, Hyogo		JP
Hirai, Naruhisa	Himeji-shi, Hyogo		JP

US-CL-CURRENT: 552/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D.
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12. Document ID: US 20020169072 A1

L6: Entry 12 of 37

File: PGPB

Nov 14, 2002

PGPUB-DOCUMENT-NUMBER: 20020169072

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020169072 A1

TITLE: Olefin polymerization catalyst and process for producing Olefin polymer with the catalyst

PUBLICATION-DATE: November 14, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Nakayama, Yasushi	Sodegaura-shi		JP
Kaneko, Hideyuki	Sodegaura-shi		JP
Bandoh, Hideki	Sodegaura-shi		JP

Sonobe, Yoshiho	Sodegaura-shi	JP
Saito, Junji	Sodegaura-shi	JP
Kojoh, Shinichi	Sodegaura-shi	JP
Mitani, Makoto	Sodegaura-shi	JP
Suzuki, Yasuhiko	Sodegaura-shi	JP
Matsui, Shigekazu	Sodegaura-shi	JP
Kashiwa, Norio	Sodegaura-shi	JP
Fujita, Terunori	Sodegaura-shi	JP

US-CL-CURRENT: 502/167; 502/202, 502/208, 502/215

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

13. Document ID: US 20020128149 A1

L6: Entry 13 of 37

File: PGPB

Sep 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020128149
 PGPUB-FILING-TYPE: new
 DOCUMENT-IDENTIFIER: US 20020128149 A1

TITLE: Catalyst comprising a cyclic imide compound and process for producing organic compounds using the catalyst

PUBLICATION-DATE: September 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ishii, Yasutaka	Osaka		JP
Nakano, Tatsuya	Himeji-shi		JP
Nagano, Shinya	Himeji-shi		JP
Okuyama, Naoto	Himeji-shi		JP

US-CL-CURRENT: 502/167; 548/475

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawn D.](#)

14. Document ID: US 7115541 B2

L6: Entry 14 of 37

File: USPT

Oct 3, 2006

US-PAT-NO: 7115541
 DOCUMENT-IDENTIFIER: US 7115541 B2

TITLE: Catalyst comprising n-substituted cyclic imides and processes for preparing organic compounds with the catalyst

PRIOR-PUBLICATION:

DOC-ID DATE

US 20030013603 A1

January 16, 2003

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIWC	Drawn D
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 15. Document ID: US 7091342 B2

L6: Entry 15 of 37

File: USPT

Aug 15, 2006

US-PAT-NO: 7091342

DOCUMENT-IDENTIFIER: US 7091342 B2

TITLE: Catalyst comprising cyclic acylurea compounds and processes for production of organic compounds with the same

PRIOR-PUBLICATION:

DOC-ID DATE

US 20050020439 A1 January 27, 2005

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIWC	Drawn D
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 16. Document ID: US 7084090 B2

L6: Entry 16 of 37

File: USPT

Aug 1, 2006

US-PAT-NO: 7084090

DOCUMENT-IDENTIFIER: US 7084090 B2

TITLE: Catalyst comprised of n-substituted cyclic imides and processes for preparing organic compounds with the catalyst

PRIOR-PUBLICATION:

DOC-ID DATE

US 20040053778 A1 March 18, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIWC	Drawn D
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 17. Document ID: US 6998491 B2

L6: Entry 17 of 37

File: USPT

Feb 14, 2006

US-PAT-NO: 6998491

DOCUMENT-IDENTIFIER: US 6998491 B2

TITLE: Catalyst comprising a cyclic imide compound

PRIOR-PUBLICATION:

DOC-ID DATE

US 20020128149 A1

September 12, 2002

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#) 18. Document ID: US 6897176 B2

L6: Entry 18 of 37

File: USPT

May 24, 2005

US-PAT-NO: 6897176

DOCUMENT-IDENTIFIER: US 6897176 B2

TITLE: Olefin polymerization catalyst and process for producing olefin polymer with the catalyst

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#) 19. Document ID: US 6444843 B1

L6: Entry 19 of 37

File: USPT

Sep 3, 2002

US-PAT-NO: 6444843

DOCUMENT-IDENTIFIER: US 6444843 B1

** See image for Certificate of Correction **

TITLE: Producing method of (hydroxyalkyl) alicyclic carboxylic acids and intermediates for producing the same and producing method of such intermediates

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#) 20. Document ID: US 5760288 A

L6: Entry 20 of 37

File: USPT

Jun 2, 1998

US-PAT-NO: 5760288

DOCUMENT-IDENTIFIER: US 5760288 A

TITLE: Process for producing aromatic carboxylic acid

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn D](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

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21. Document ID: US 5723694 A

L6: Entry 21 of 37

File: USPT

Mar 3, 1998

US-PAT-NO: 5723694

DOCUMENT-IDENTIFIER: US 5723694 A

** See image for Certificate of Correction **

TITLE: Process for preparing monomethylated or dimethylated phenols

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

22. Document ID: US 5389230 A

L6: Entry 22 of 37

File: USPT

Feb 14, 1995

US-PAT-NO: 5389230

DOCUMENT-IDENTIFIER: US 5389230 A

TITLE: Catalytic hydroconversion process

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

23. Document ID: US 5362382 A

L6: Entry 23 of 37

File: USPT

Nov 8, 1994

US-PAT-NO: 5362382

DOCUMENT-IDENTIFIER: US 5362382 A

TITLE: Resid hydrocracking using dispersed metal catalysts

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KWMC](#) [Drawn D](#)

24. Document ID: US 5336395 A

L6: Entry 24 of 37

File: USPT

Aug 9, 1994

US-PAT-NO: 5336395

DOCUMENT-IDENTIFIER: US 5336395 A

TITLE: Liquefaction of coal with aqueous carbon monoxide pretreatment

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

25. Document ID: US 5332489 A

L6: Entry 25 of 37

File: USPT

Jul 26, 1994

US-PAT-NO: 5332489

DOCUMENT-IDENTIFIER: US 5332489 A

TITLE: Hydroconversion process for a carbonaceous material

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

26. Document ID: US 5200063 A

L6: Entry 26 of 37

File: USPT

Apr 6, 1993

US-PAT-NO: 5200063

DOCUMENT-IDENTIFIER: US 5200063 A

TITLE: Coal hydroconversion process comprising solvent enhanced pretreatment with carbon monoxide

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

27. Document ID: US 5151173 A

L6: Entry 27 of 37

File: USPT

Sep 29, 1992

US-PAT-NO: 5151173

DOCUMENT-IDENTIFIER: US 5151173 A

TITLE: Conversion of coal with promoted carbon monoxide pretreatment

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

28. Document ID: US 5110450 A

L6: Entry 28 of 37

File: USPT

May 5, 1992

US-PAT-NO: 5110450

DOCUMENT-IDENTIFIER: US 5110450 A

TITLE: Coal extract hydroconversion process comprising solvent enhanced carbon monoxide pretreatment

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KUMC](#) | [Drawn D.](#)

29. Document ID: US 5071540 A

L6: Entry 29 of 37

File: USPT

Dec 10, 1991

US-PAT-NO: 5071540

DOCUMENT-IDENTIFIER: US 5071540 A

TITLE: Coal hydroconversion process comprising solvent extraction and combined hydroconversion and upgrading

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawn D](#) 30. Document ID: US 5026475 A

L6: Entry 30 of 37

File: USPT

Jun 25, 1991

US-PAT-NO: 5026475

DOCUMENT-IDENTIFIER: US 5026475 A

TITLE: Coal hydroconversion process comprising solvent extraction (OP-3472)

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawn D](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

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31. Document ID: US 4357229 A

L6: Entry 31 of 37

File: USPT

Nov 2, 1982

US-PAT-NO: 4357229

DOCUMENT-IDENTIFIER: US 4357229 A

TITLE: Catalysts and hydrocarbon treating processes utilizing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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32. Document ID: US 4348270 A

L6: Entry 32 of 37

File: USPT

Sep 7, 1982

US-PAT-NO: 4348270

DOCUMENT-IDENTIFIER: US 4348270 A

TITLE: Catalysts and hydrocarbon treating processes utilizing the same

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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33. Document ID: US 4295996 A

L6: Entry 33 of 37

File: USPT

Oct 20, 1981

US-PAT-NO: 4295996

DOCUMENT-IDENTIFIER: US 4295996 A

TITLE: Catalysts for hydrocarbon treating processes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawn D
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34. Document ID: US 4295995 A

L6: Entry 34 of 37

File: USPT

Oct 20, 1981

US-PAT-NO: 4295995

DOCUMENT-IDENTIFIER: US 4295995 A

TITLE: Catalysts hydrocarbon treating processes

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC	Drawn D.
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35. Document ID: US 4226742 A

L6: Entry 35 of 37

File: USPT

Oct 7, 1980

US-PAT-NO: 4226742

DOCUMENT-IDENTIFIER: US 4226742 A

TITLE: Catalyst for the hydroconversion of heavy hydrocarbons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC	Drawn D.
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36. Document ID: US 4178227 A

L6: Entry 36 of 37

File: USPT

Dec 11, 1979

US-PAT-NO: 4178227

DOCUMENT-IDENTIFIER: US 4178227 A

TITLE: Combination hydroconversion, fluid coking and gasification

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC	Drawn D.
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37. Document ID: US 4134825 A

L6: Entry 37 of 37

File: USPT

Jan 16, 1979

US-PAT-NO: 4134825

DOCUMENT-IDENTIFIER: US 4134825 A

TITLE: Hydroconversion of heavy hydrocarbons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KUMC	Drawn D.
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Terms	Documents
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